



Untitled1:

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✓ (1) (power adj converter.ti.) and(electrolyte)
✓ (2) "7744891"
✓ (2) "5784891"
✓ (2) "5811499"
✓ (2) "5814937"
✓ (2) "6144132"
✓ (2) 361 same electrode
✓ (1) (361 same electrode) same(electrolyte)
✓ (1) (inherently same conductive same spacer) same(electrolyte)
✓ (4) ((inherently same conductive same spacer) same(electrolyte)) same(electrode electrodes)
✓ (2) inherently same conductive same spacer
✓ (1b) electrolyte same liquid same anion01 same cation01
✓ (1) ((electrolyte same liquid same anion01 same cation01) same(electrode electrodes)) same(c...
✓ (2) ((electrolyte same liquid same anion01 same cation01) same(electrode electrodes)) same(in...
✓ (109) (electrolyte same liquid same anion01 same cation01) same(electrode electrodes)
✓ (2) gas-filled same surge same arrester.ti.
✓ (1) 361/121
✓ (1) 361 1st same(gas-filled same surge)
✓ (2) gas-filled same surge
✓ (1) (gas-filled same surge) same(electrode electrodes)
✓ (1) (gas-filled same surge) same(electrode electrodes), same(insulator)
✓ (1) 361 1st same(terminal same clip)
✓ (663) terminal same clip
✓ (49) 361 1st and(terminal same clip)
✓ (2) 361 1st and(terminal same fasten)
✓ (1) 361 1st same fasten clip
✓ (1) 361 1st same clip
✓ (8) 361 120 and(fasten or clip)
✓ (2) (361 120 and(fasten or clip)) and(terminal)
✓ (6) ((361 120 and(fasten or clip)) and(terminal)) and(electrode)
✓ (26) ((361 120 and(fasten or clip)) and(terminal)) and(electrode), and(insulator)
✓ (12) ((gas-filled same surge) same(electrode electrodes)) and(clip or fasten)
✓ (474) 361-0.ccls. and (terminal same clip)
✓ (1) (361-0.ccls. and (terminal same clip)) and(gas-filled)
✓ (61) 361 1st and base same terminal
✓ (18) (361 1st and(base same terminal)) and(clip)
✓ (29) 361 112
✓ (240) 361/117
✓ (1492) 361/118
✓ (313) 361/116
✓ (1) (gas-filled same surge) and 361/112
✓ (32) (gas-filled same surge) and 361/117
✓ (29) (gas-filled same surge) and 361/118
✓ (4) (gas-filled same surge) and 361/56
✓ (5) (terminal same clip) and ((gas-filled same surge) and 361/117)
✓ (4) (terminal same clip) and ((gas-filled same surge) and 361/118)
✓ (2) (terminal same clip) and ((gas-filled same surge) and 361/56)

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Search... Help... Queue... Close

DBs USPAT Boolean Default operator: OR Highlight all hit terms initially

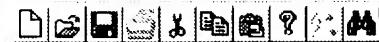
Search term: Transient voltage surge suppressor

Search results: 1 item(s) found

1. Transient voltage surge suppressor (361-0.ccls. and (terminal same clip)) and(gas-filled)

U	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	E
1	US 5617287 A	19970401	12	Transient voltage surge suppressor	361/118	361/111;		Allina, Edward F.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

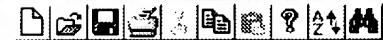
Text Details HTML



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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	P
1		<input checked="" type="checkbox"/>	US 5763092 A	19950112	5	Gas-filled surge voltage protector	361 111	361 112		Lange, Gerhard et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		<input checked="" type="checkbox"/>	US 4493004 A	19950108	4	Surge arrester with a gas filled housing	361 120	313 355;		Lange, Gerhard et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		<input checked="" type="checkbox"/>	US 4491993 A	19950111	5	Gas filled surge arrester	313 316.12	313 231;		Toda, Toshiharu	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		<input checked="" type="checkbox"/>	US 4104693 A	19790301	5	Gas filled surge arrester	361 120	313 348;		Toda, Toshiharu et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		<input checked="" type="checkbox"/>	US 6570099 B1	20030327	5	Electrically conductive connection between a terminal	174 50.16	174 50.5;		Boy, Jurgen et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		<input checked="" type="checkbox"/>	US 6529361 B1	20030304	4	Gas-filled discharge path	361 120	361 111;		Petschel, Bernd et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		<input checked="" type="checkbox"/>	US 6445562 B1	20020403	4	Gas-filled surge protector with external short-circuiting	361 111	361 120;		Robert, Peter et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8		<input checked="" type="checkbox"/>	US 6362945 B1	20020326	4	Gas-filled surge arrester with an activating compound formed	361 120	361 123		Robert, Peter et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9		<input checked="" type="checkbox"/>	US 6321724 B1	20011204	4	Gas-filled discharge gap assembly	313 484	313 507;		Saumer, Wolfgang et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10		<input checked="" type="checkbox"/>	US 6172865 B1	20010109	5	Module for protecting telecommunication devices	361 119	361 120		Boy, Juergen et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11		<input checked="" type="checkbox"/>	US 5769085 A	19980316	4	Reserve series gap for a gas-filled surge diverter and	361 120	361 112		Boy, Juergen et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		<input checked="" type="checkbox"/>	US 5644465 A	19970701	4	Surge arrester with external short-circuit device	361 120	337 30;		Lange, Gerhard et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		<input checked="" type="checkbox"/>	US 5633777 A	19970327	7	Gas-filled, three-electrode overvoltage surge arrester for	361 117	361 120		Boy, Jurgen et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14		<input checked="" type="checkbox"/>	US 5559663 A	19960104	8	Surge absorber	361 127	361 118;		Tanaka, Yoshiyuki et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15		<input checked="" type="checkbox"/>	US 5555150 A	19960110	5	Surge suppression system	361 58	361 58;		Newman, Jr., Robert C.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16		<input checked="" type="checkbox"/>	US 5523316 A	19960604	6	Surge arrester with thermal overload protection	361 119	361 124;		Kaczmarek, Richard T.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17		<input checked="" type="checkbox"/>	US 5450273 A	19950112	6	Encapsulated spark gap and method of manufacturing	361 129	361 120		Boy, Jurgen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18		<input checked="" type="checkbox"/>	US 5388021 A	19950207	16	Voltage surge suppression power circuits	361 56	361 104;		Stahl, George J.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19		<input checked="" type="checkbox"/>	US 5373414 A	19941213	12	Surge absorber	361 129	361 111;		Kondo, Zenichi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20		<input checked="" type="checkbox"/>	US 5272588 A	19931201	9	Surge protector	361 119	361 111;		Motoori, Hideyuki	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21		<input checked="" type="checkbox"/>	US 5248953 A	19930928	6	Thermal overload protection device for electronic	337 32	337 29;		Honl, Robert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22		<input checked="" type="checkbox"/>	US 5029302 A	19910702	6	Fail safe gas tube	337 32	337 31;		Masghati, Mohammad et	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Yes Details HTML



Active										Print	Search	Browse	Queue	Clear
U	N	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	P		
24	P	US 4431943 A	19900605	10	High voltage measurement capacitor	361-323	361-327		Goetz, Bernhard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
25	P	US 4912532 A	19900307	4	Gas-filled surge arrester	361-126	337-231; 337-321; 361-126		Flindell, John D. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
26	P	US 4379628 A	19891117	8	High voltage measurement capacitor	361-327			Goetz, Bernhard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
27	P	US 4351945 A	19890725	11	Lightning arrester	361-124	361-117; 361-127; 361-129		Igarashi, Yoshio et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
28	P	US 4729155 A	19890301	13	Surge protection element for telephone lines, or data	361-119	361-129		Dorival, Michel et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
29	P	US 4707762 A	19871117	7	Surge protection device for gas tube	361-124	313-231, 111; 361-119; 361-127; 361-129		Yapoujian, Nerses N.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
30	P	US 4675910 A	19870922	17	Protector circuit	361-58	361-111; 361-119; 361-58		Sato, Hidetaka et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
31	P	US 4683514 A	19870728	6	Surge voltage protective circuit arrangements	361-111	361-111; 361-58		Cook, Kenneth G.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
32	P	US 4644441 A	19870217	5	Discharge-type arrester	361-120	361-129		Igarashi, Yoshio	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
33	P	US 4629398 A	19861209	4	Surge voltage protection arrangements	361-126	361-117; 361-58; 361-120		Cook, Kenneth G.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
34	P	US 4620255 A	19861126	9	Interactive overvoltage protection device	361-119	361-111; 361-120; 361-129		Borkowicz, Jerzy et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
35	P	US 4573733 A	19860325	7	Surge voltage arrester	361-120	313-306; 313-309; 313-310		Shigemori, Daizo et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
36	P	US 4411831 A	19831019	6	Overvoltage protecting element	313-325	313-325		Shigemori, Daizo et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
37	P	US 4380036 A	19830412	6	Clip-on protector	361-119	337-32; 337-34; 361-120		Coren, Gerald	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
38	P	US 4023792 A	19820406	4	Two terminal circuitry for voltage limitation	327-330	327-314		Bergmann, Gunther et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
39	P	US 4317153 A	19820223	6	Clip-on protector	361-119	337-32; 337-34		Coren, Gerald	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
40	P	US 4297548 A	19810901	6	Surge voltage arrester with reduced minimum operating surge	361-120	313-231, 111; 313-306; 313-309; 313-310		Hahndorff, Axel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
41	P	US 4284260 A	19810505	6	Surge Arrester	361-170	361-129		Lange, Gerhard et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
42	P	US 4091436 A	19780523		Knob type surge voltage arrester	361-120	313-306; 313-309		Lange, Gerhard et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
43	P	US 4084208 A	19780411		Gas-filled surge arrestors	361-120	313-244; 313-291; 313-299		Bazarian, A. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
44	P	US 4074339 A	19780214		Multi-element surge arrester	361-129	313-220		Simokat, Frank L.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
45	P	US 4037139 A	19770719		Lightning arrester	361-58	315-262;		Cramk, Roy I. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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